

CDN Resource Laboratories Ltd.

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PLATINUM GROUP ORE REFERENCE STANDARD: CDN-PGMS-3

Recommended values and 95% Confidence Intervals ($\pm 2SD$)

Gold concentration: 0.33 ± 0.06 g/tonne

Platinum concentration: 0.13 ± 0.03 g/tonne

Palladium concentration: 0.59 ± 0.07 g/tonne

PREPARED BY: CDN Resource Laboratories Ltd.

CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia

INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.

METHOD OF PREPARATION:

This standard was prepared by combining a quantity of standard CDN-PGMS-1 with a quantity of standard CDN-GS-1 and diluting with a blank granitic material that had been screened to -200 mesh. The material was mixed for 10 days in a rotary mixer. After internal assaying to test for homogeneity, splits were taken and sent to 7 laboratories for round robin assaying .

Approximate chemical composition is as follows:

	Percent			Percent
SiO ₂	63.8		MgO	3.1
Al ₂ O ₃	13.4		K ₂ O	1.1
Fe ₂ O ₃	7.6		TiO ₂	0.6
CaO	4.6		LOI	2.3
Na ₂ O	2.8			

Statistical Procedures:

The mean and standard deviation for all data was calculated. Outliers were defined as samples beyond the mean ± 2 Standard Deviations from all data. These outliers were removed from the data and a new mean and standard deviation was determined. This method is different from that used by Government agencies in that the actual "between-laboratory" standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Certified Limits published on other standards.

Results from round-robin assaying are presented on the following page:

Assay Procedure: 30g fire assay, AA or ICP finish.

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	Au (gpt)	Au (gpt)	Au (gpt)	Au (gpt)	Au (gpt)	Au (gpt)	Au (gpt)	Au (gpt)
CDN-PGMS3-1	0.36	0.32	0.32	0.32	0.36	0.35	0.37	
CDN-PGMS3-2	0.32	0.29	0.25	0.35	0.31	0.32	0.36	
CDN-PGMS3-3	0.30	0.32	0.32	0.31	0.32	0.36	0.37	
CDN-PGMS3-4	0.34	0.32	0.31	0.40	0.33	0.31	0.38	
CDN-PGMS3-5	0.29	0.33	0.25	0.34	0.29	0.31	0.39	
CDN-PGMS3-6	0.31	0.34	0.27	0.35	0.32	0.29	0.36	
CDN-PGMS3-7	0.29	0.30	0.35	0.38	0.31	0.33	0.36	
CDN-PGMS3-8	0.30	0.27	0.37	0.33	0.29	0.32	0.38	
CDN-PGMS3-9	0.33	0.30	0.35	0.32	0.34	0.33	0.35	
CDN-PGMS3-10	0.31	0.28	0.36	0.33	0.30	0.38	0.39	
CDN-PGMS3-11	0.31	0.25	0.29	0.34	0.31	0.30	0.36	
CDN-PGMS3-12	0.35	0.33	0.35	0.33	0.36	0.38	0.36	
Mean	0.32	0.30	0.32	0.34	0.32	0.33	0.37	
Std. Dev.	0.023	0.027	0.043	0.025	0.026	0.030	0.013	
%RSD	7.19	9.15	13.29	7.43	8.01	9.13	3.54	
	Pt (gpt)	Pt (gpt)	Pt (gpt)	Pt (gpt)	Pt (gpt)	Pt (gpt)	Pt (gpt)	Pt (gpt)
CDN-PGMS3-1	0.11	0.13	0.12	0.14	0.12	0.16	0.17	
CDN-PGMS3-2	0.12	0.12	0.15	0.15	0.13	0.11	0.16	
CDN-PGMS3-3	0.12	0.10	0.17	0.12	0.12	0.13	0.18	
CDN-PGMS3-4	0.14	0.12	0.11	0.15	0.12	0.13	0.16	
CDN-PGMS3-5	0.14	0.12	0.13	0.11	0.12	0.14	0.17	
CDN-PGMS3-6	0.12	0.13	0.15	0.16	0.15	0.13	0.16	
CDN-PGMS3-7	0.12	0.11	0.17	0.17	0.12	0.13	0.16	
CDN-PGMS3-8	0.16	0.12	0.13	0.14	0.12	0.12	0.16	
CDN-PGMS3-9	0.13	0.12	0.15	0.13	0.12	0.13	0.17	
CDN-PGMS3-10	0.12	0.11	0.15	0.11	0.14	0.13	0.16	
CDN-PGMS3-11	0.13	0.13	0.11	0.14	0.12	0.12	0.18	
CDN-PGMS3-12	0.13	0.12	0.15	0.13	0.13	0.13	0.16	
Mean	0.13	0.12	0.14	0.14	0.12	0.13	0.17	
Std. Dev.	0.013	0.009	0.021	0.020	0.011	0.011	0.008	
%RSD	10.29	7.50	14.75	13.99	8.86	8.74	4.66	
	Pd (gpt)	Pd (gpt)	Pd (gpt)	Pd (gpt)	Pd (gpt)	Pd (gpt)	Pd (gpt)	Pd (gpt)
CDN-PGMS3-1	0.56	0.57	0.61	0.61	0.60	0.56	0.63	
CDN-PGMS3-2	0.55	0.56	0.60	0.55	0.57	0.53	0.65	
CDN-PGMS3-3	0.58	0.59	0.64	0.53	0.62	0.56	0.62	
CDN-PGMS3-4	0.59	0.62	0.60	0.55	0.61	0.56	0.63	
CDN-PGMS3-5	0.59	0.62	0.62	0.56	0.59	0.57	0.62	
CDN-PGMS3-6	0.56	0.60	0.64	0.58	0.59	0.56	0.63	
CDN-PGMS3-7	0.54	0.58	0.69	0.64	0.62	0.55	0.62	
CDN-PGMS3-8	0.63	0.60	0.60	0.56	0.60	0.59	0.63	
CDN-PGMS3-9	0.59	0.59	0.58	0.54	0.59	0.57	0.69	
CDN-PGMS3-10	0.57	0.56	0.66	0.53	0.61	0.59	0.65	
CDN-PGMS3-11	0.59	0.59	0.65	0.54	0.61	0.55	0.63	
CDN-PGMS3-12	0.63	0.60	0.64	0.56	0.60	0.54	0.66	
Mean	0.58	0.59	0.63	0.56	0.60	0.56	0.64	
Std. Dev.	0.028	0.020	0.031	0.034	0.014	0.019	0.021	
%RSD	4.87	3.39	4.98	5.99	2.35	3.40	3.25	

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Participating Laboratories:

(not in same order as listed in table of results)

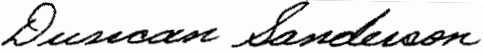
Acme Analytical Laboratories Ltd.
Assayers Canada Ltd., Vancouver
ALS Chemex Laboratories, North Vancouver
Eco-Tech Laboratory Ltd., Kamloops, B.C.
International Plasma Laboratories Ltd., Vancouver
Loring Laboratories Ltd., Calgary
TeckCominco Exploration Research Laboratory, Vancouver

Availability: Lots of 100g, 500g, 1 kg, 2 kg, or as per request.
Minimum order: 1 kg.


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Certified by


Duncan Sanderson, Certified Assayer of B.C.

Geochemist


Dr. Barry Smee, Ph.D., P. Geo.